

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/000027

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N9/24 C12N15/56 C12Q1/34 G01N33/573 A61K38/47		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C12Q G01N A61K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) SEQUENCE SEARCH, EP0-Internal, WPI Data, PAJ, EMBASE, BIOSIS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BOOT R G ET AL: "STRONG INDUCTION OF MEMBERS OF THE CHITINASE FAMILY OF PROTEINS IN ATHEROSCLEROSIS. CHITOTRIOSIDASE AND HUMAN CARTILAGE GP-39 EXPRESSED IN LESION MACROPHAGES" ARTERIOSCLEROSIS, THROMBOSIS, AND VASCULAR BIOLOGY, XX, XX, vol. 19, no. 3, 1999, pages 687-694, XP000874580 ISSN: 1079-5642 the whole document	
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">29 Apr11 2004</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">28/05/2004</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Schneider, P</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>RENKEMA G HERMA ET AL: "Purification and characterization of human chitotriosidase, a novel member of the chitinase family of proteins" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 270, no. 5, 1995, pages 2198-2202, XP001146748 ISSN: 0021-9258 page 2199</p>	
A	<p>WO 00/73493 A (PHARMACIA & UPJOHN) 7 December 2000 (2000-12-07) the whole document</p>	
A	<p>US 6 399 571 B1 (GRAY PATRICK W ET AL) 4 June 2002 (2002-06-04) the whole document</p>	
A	<p>BOOT R G ET AL: "CLONING OF A CDNA ENCODING CHITOTRIOSIDASE, A HUMAN CHITINASE PRODUCED BY MACROPHAGES" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 270, no. 44, 3 November 1995 (1995-11-03), pages 26252-26256, XP001146749 ISSN: 0021-9258 cited in the application the whole document</p>	
P,A	<p>ARTIEDA MARTA ET AL: "Serum chitotriosidase activity is increased in subjects with atherosclerosis disease." ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY, vol. 23, no. 9, September 2003 (2003-09), pages 1645-1652, XP002278490 ISSN: 1079-5642 (ISSN print) the whole document</p>	

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 1 to 6 and 14 to 16 are directed to or may comprise a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Although claims 18 to 20 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0073493	A	07-12-2000	AU 5299200 A EP 1180165 A2 WO 0073493 A2	18-12-2000 20-02-2002 07-12-2000
US 6399571	B1	04-06-2002	US 6200951 B1 US 2003143216 A1 AU 763582 B2 AU 2998999 A BR 9908724 A CA 2323070 A1 CN 1357046 T EP 1078073 A1 HU 0101078 A2 JP 2002505882 T NO 20004522 A PL 343197 A1 SK 13542000 A3 WO 9946390 A1	13-03-2001 31-07-2003 24-07-2003 27-09-1999 21-11-2000 16-09-1999 03-07-2002 28-02-2001 30-07-2001 26-02-2002 01-11-2000 30-07-2001 10-07-2001 16-09-1999